

## INTERNATIONAL SEARCH REPORT

PCT/IB 03/03647

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H03F3/45

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 622 521 A (REDFERN THOMAS P) 11 November 1986 (1986-11-11) column 2, line 66 -column 3, line 54; figure 2	1-10
X	US 4 884 039 A (ANDREWS PETER J ET AL) 28 November 1989 (1989-11-28) column 3, line 48 -column 5, line 17; figure 1	1-10
A	EP 0 032 533 A (LICENTIA GMBH) 29 July 1981 (1981-07-29) figure 4	1-10

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.**\* Special categories of cited documents :**

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

30 October 2003

Date of mailing of the international search report

06/11/2003

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4622521	A	11-11-1986	NONE	
US 4884039	A	28-11-1989	NONE	
EP 0032533	A	29-07-1981	DE 2951024 A1 AU 6555080 A EP 0032533 A1	25-06-1981 25-06-1981 29-07-1981